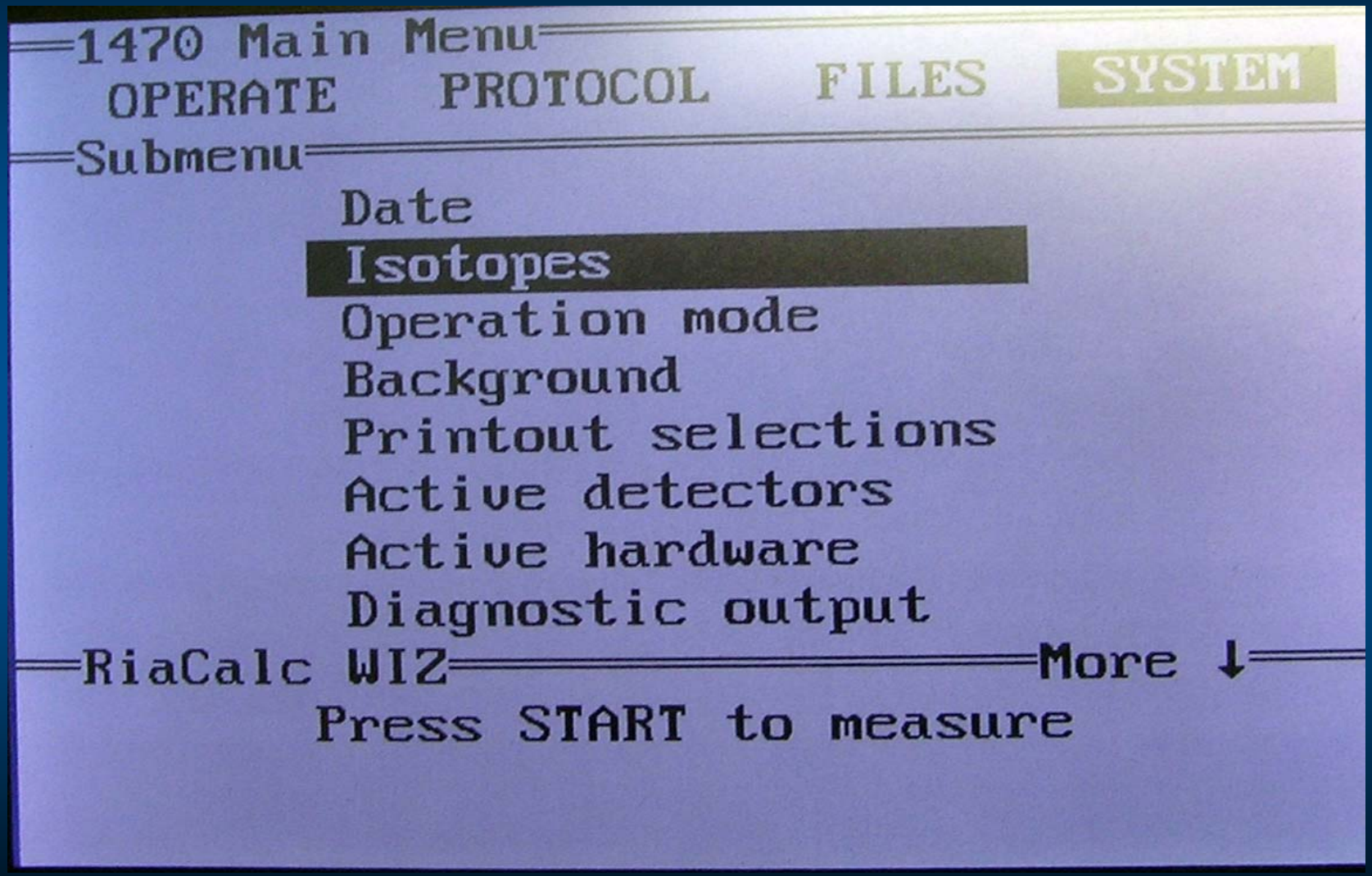
PerkinElmer™
life sciences.

Dual Label RIA with Wizard Gamma Counter

Mark Laxton
Product Specialist
January 29, 2005

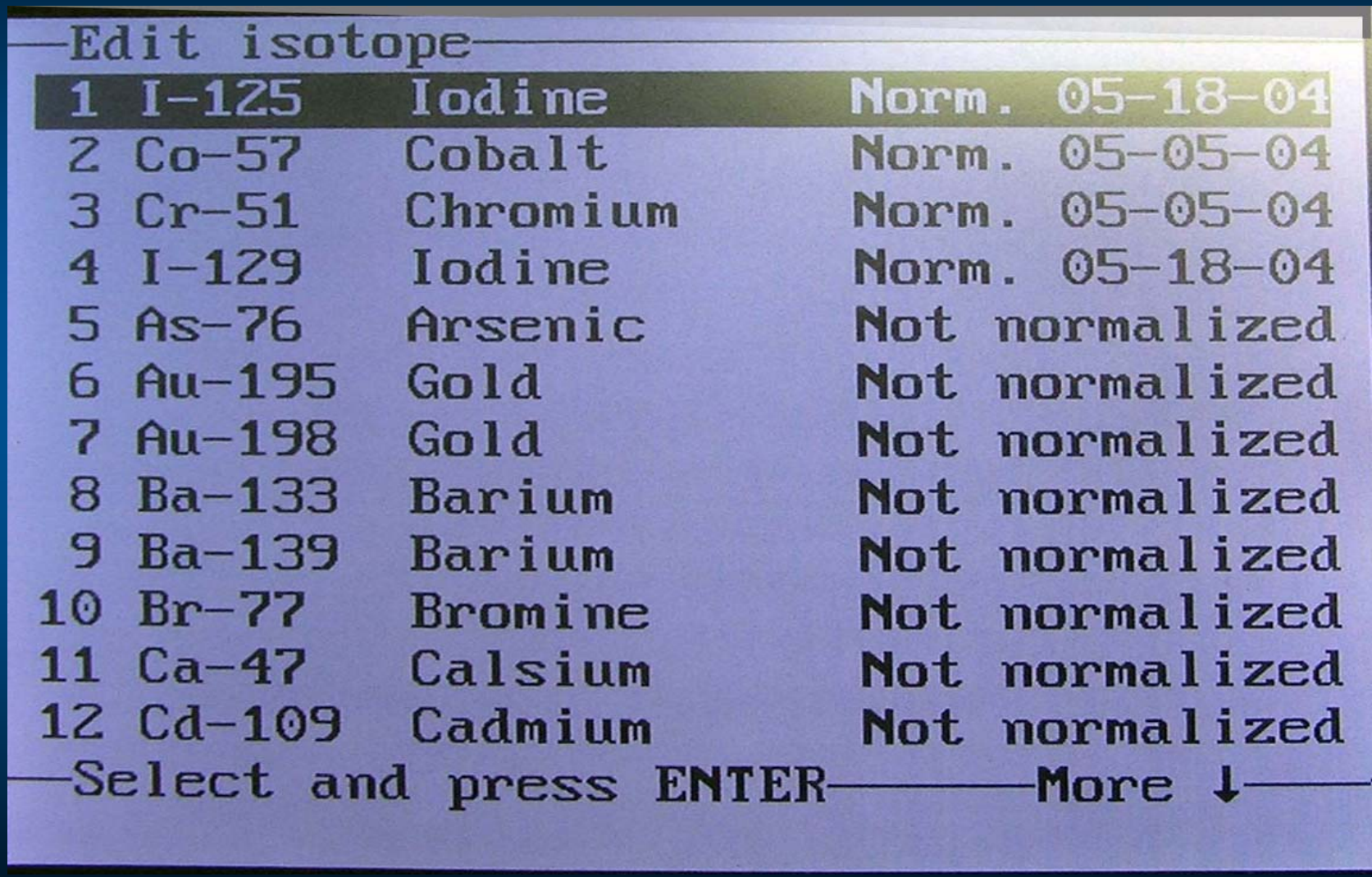
Check Isotopes for Normalization

PerkinElmer™
life sciences.



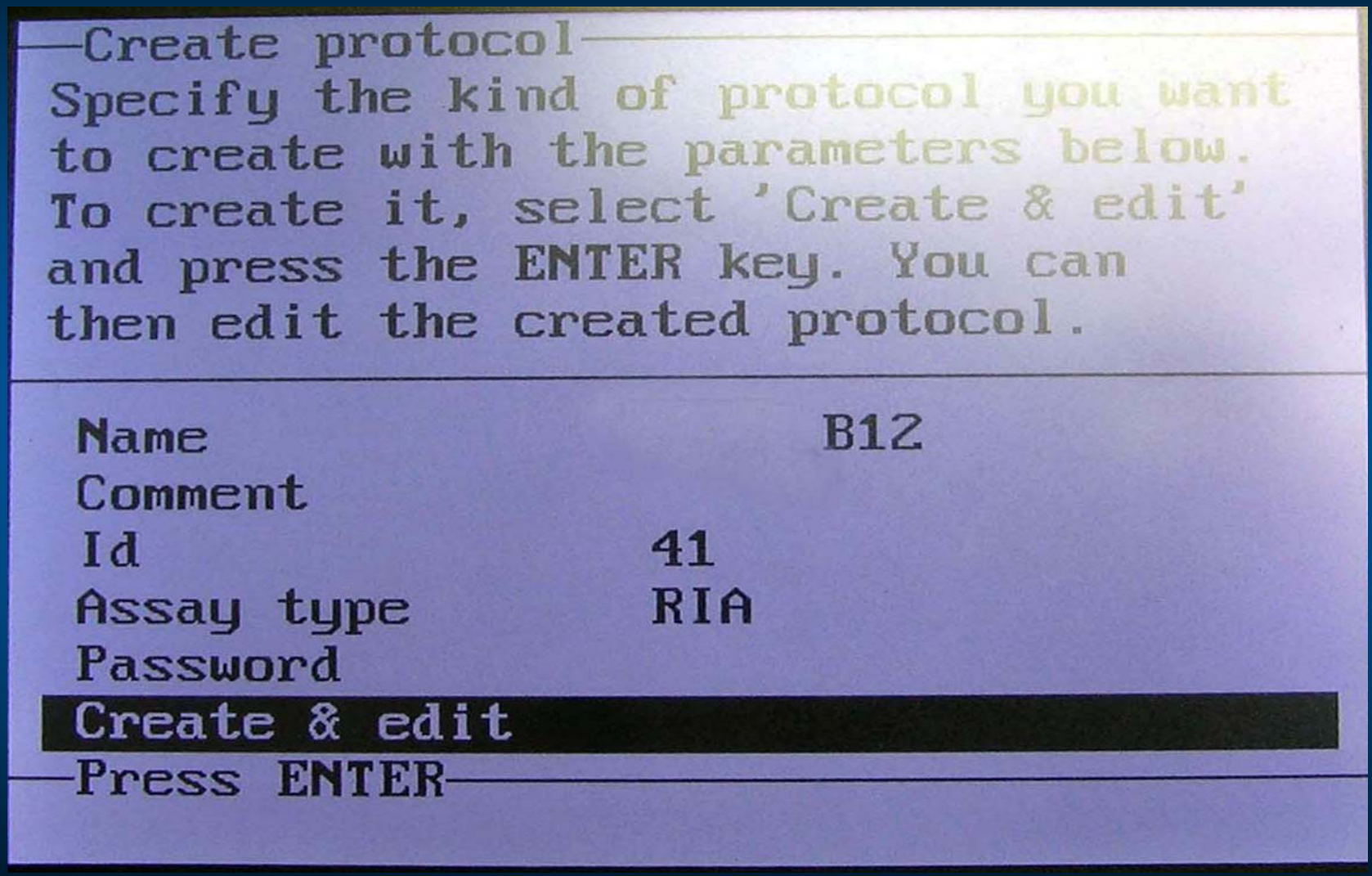
I-125 and Co-57

PerkinElmer™
life sciences.

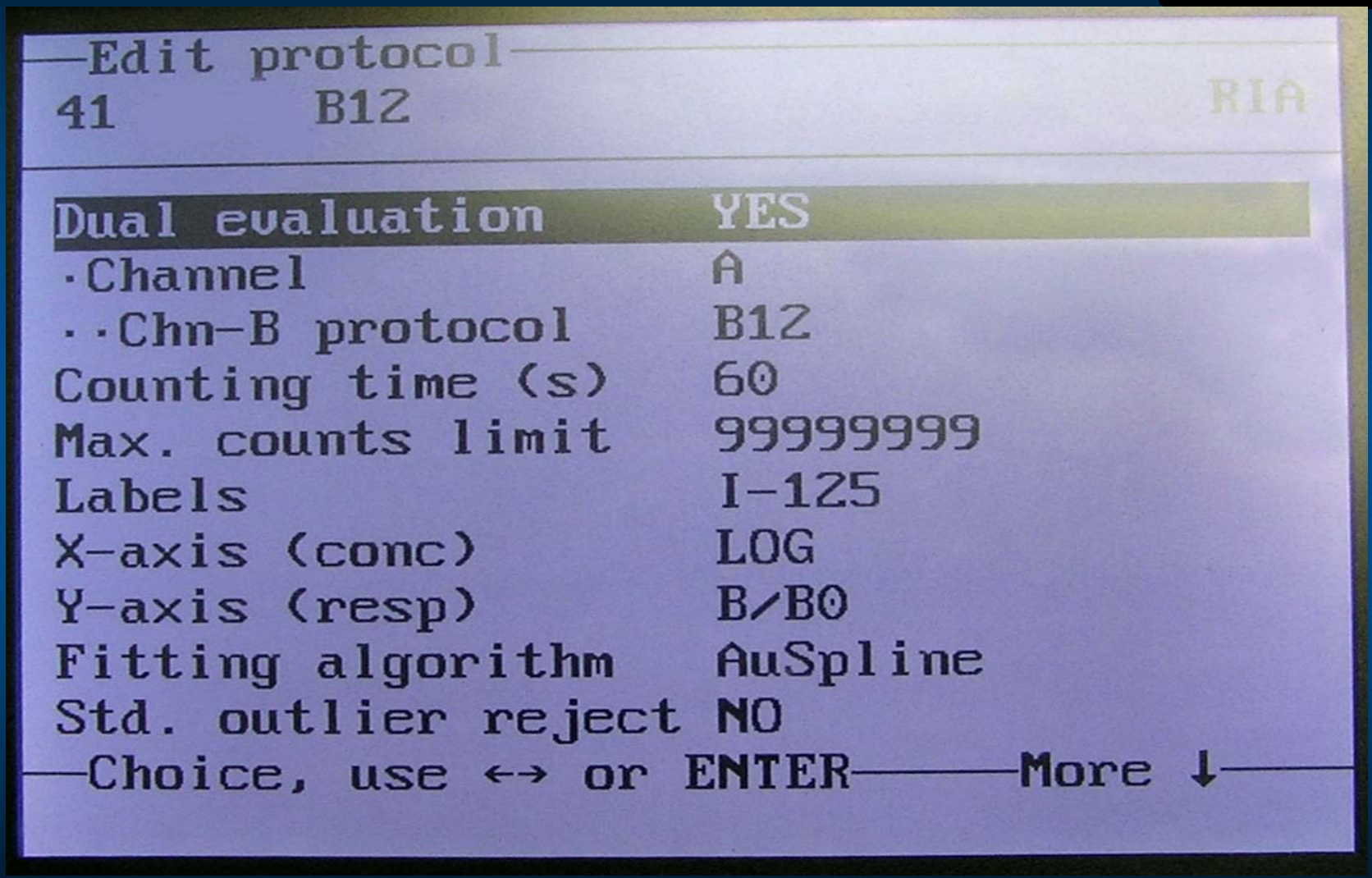

Edit isotope
1 I-125 Iodine Norm. 05-18-04
2 Co-57 Cobalt Norm. 05-05-04
3 Cr-51 Chromium Norm. 05-05-04
4 I-129 Iodine Norm. 05-18-04
5 As-76 Arsenic Not normalized
6 Au-195 Gold Not normalized
7 Au-198 Gold Not normalized
8 Ba-133 Barium Not normalized
9 Ba-139 Barium Not normalized
10 Br-77 Bromine Not normalized
11 Ca-47 Calsium Not normalized
12 Cd-109 Cadmium Not normalized
Select and press ENTER
More ↓

Create Protocol B …the slave protocol

PerkinElmer™
life sciences.

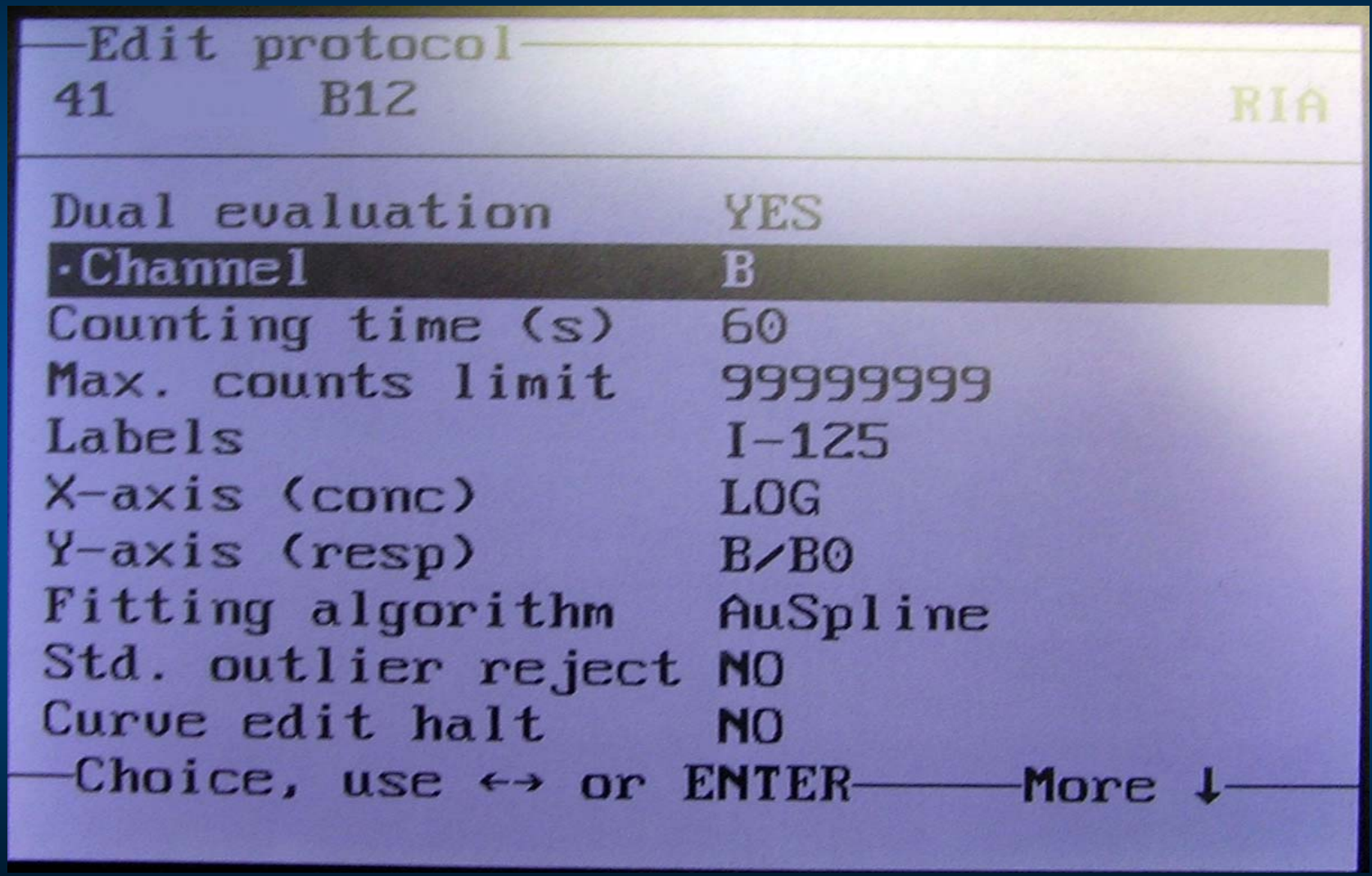

Create protocol
Specify the kind of protocol you want to create with the parameters below. To create it, select 'Create & edit' and press the ENTER key. You can then edit the created protocol.
Name B12
Comment
Id 41
Assay type RIA
Password
Create & edit
Press ENTER

Dual evaluation, change channel to B

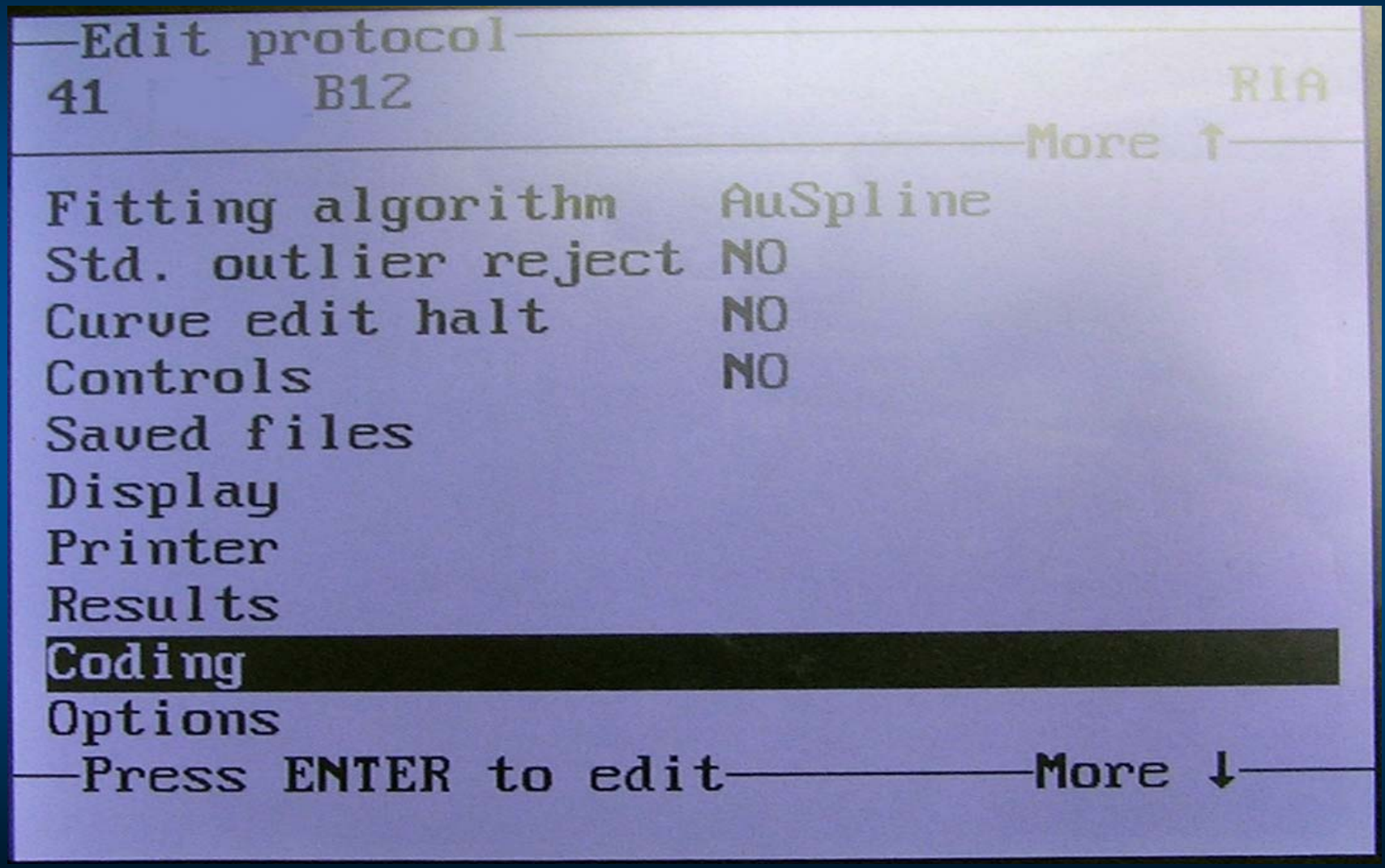


Channel now B….select axes and fitting algorithm

PerkinElmer™
life sciences.

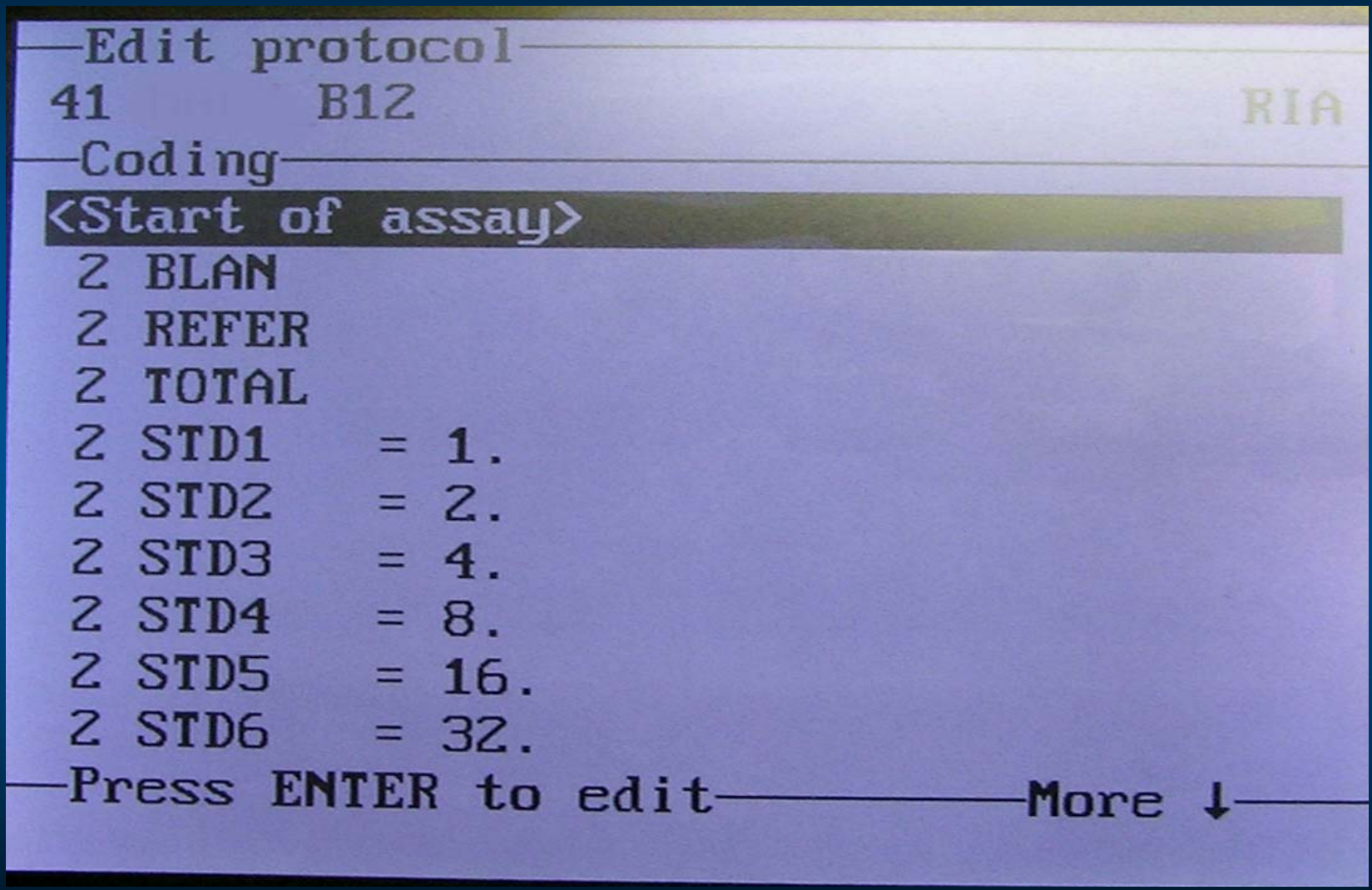


Determine if std. outlier or curve edit halt necessary…then Go to Coding



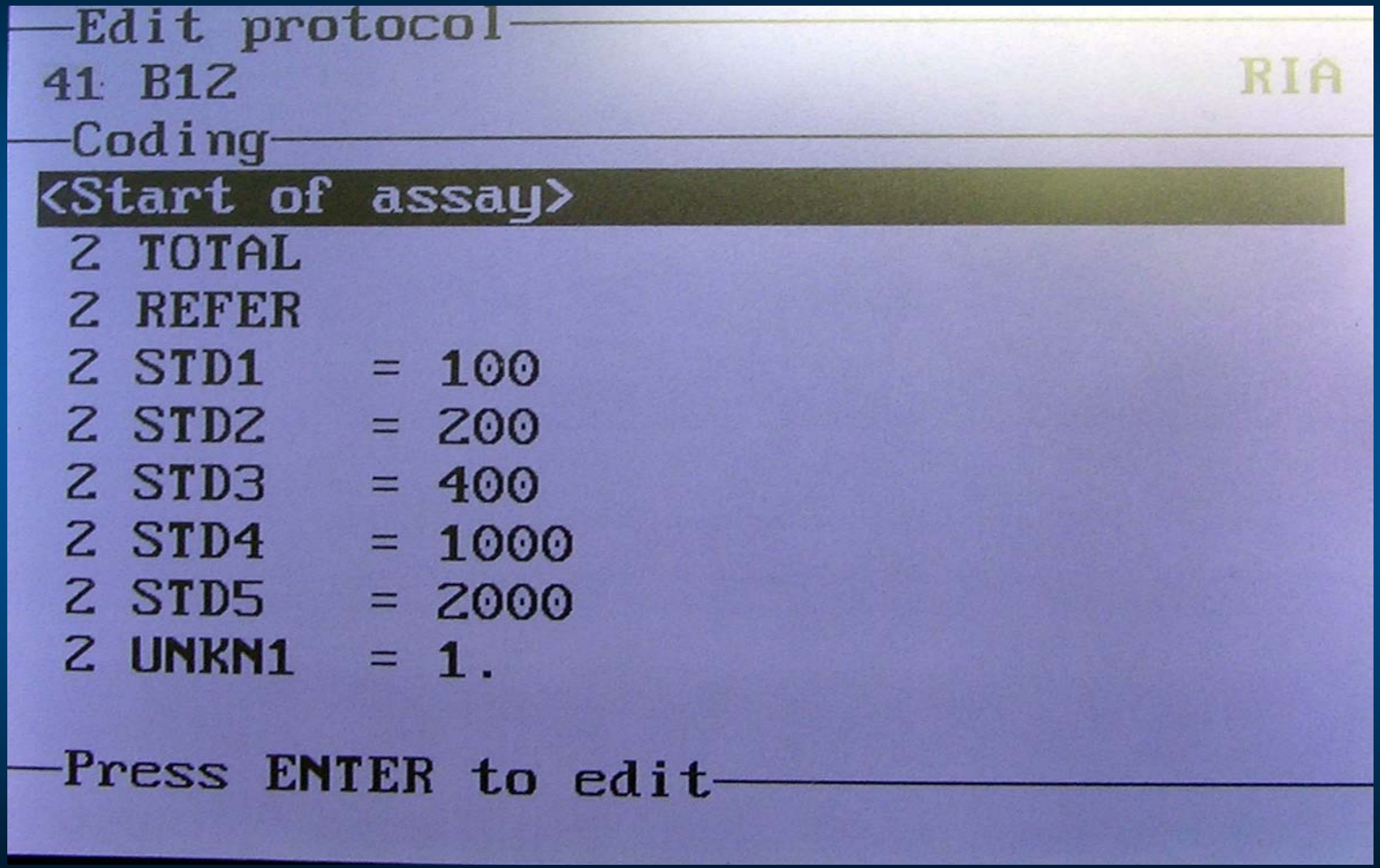
Change coding from default values

PerkinElmer™
life sciences.



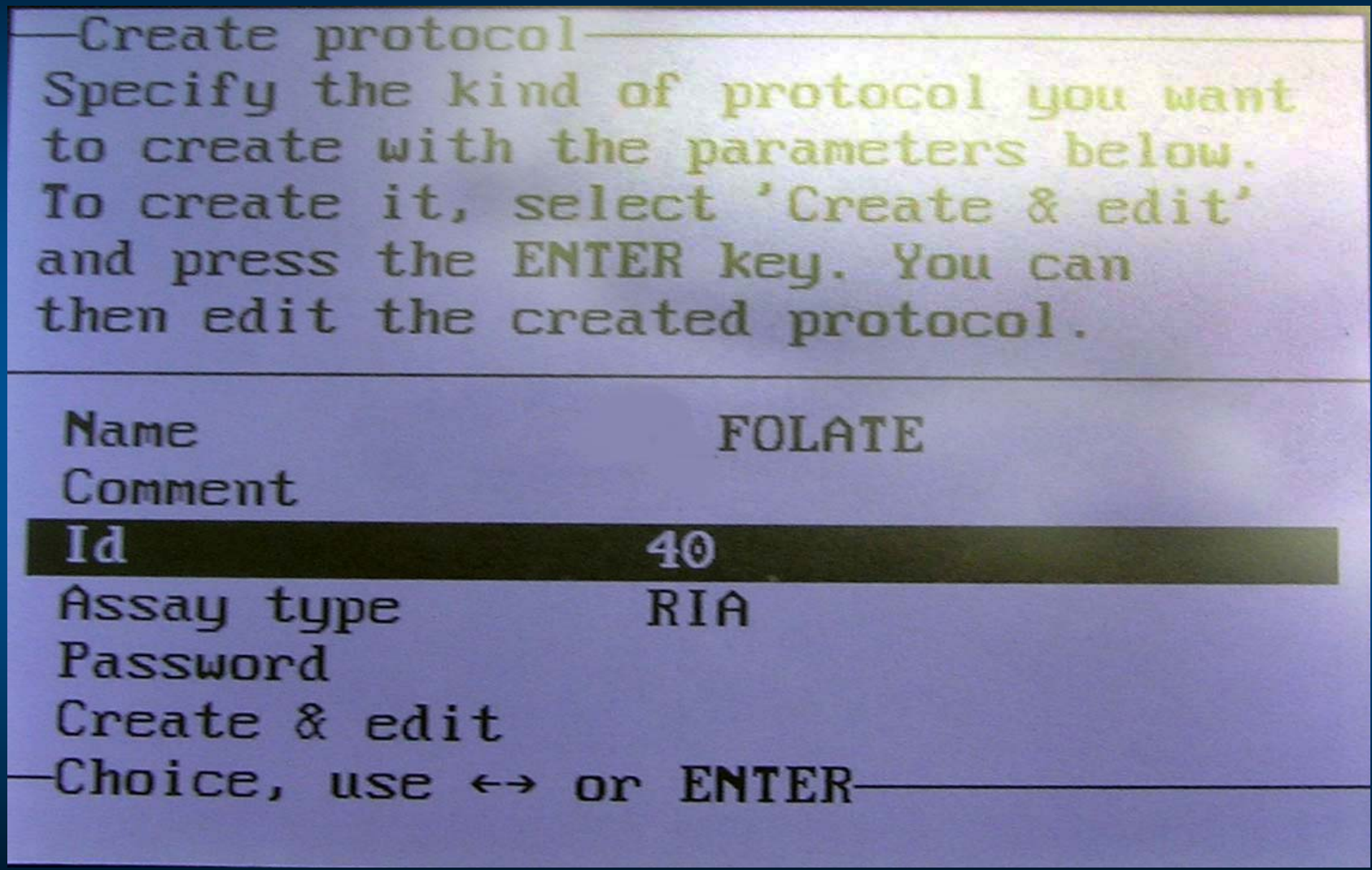
This is an example B12 assay…quit and save when done

PerkinElmer™
life sciences.



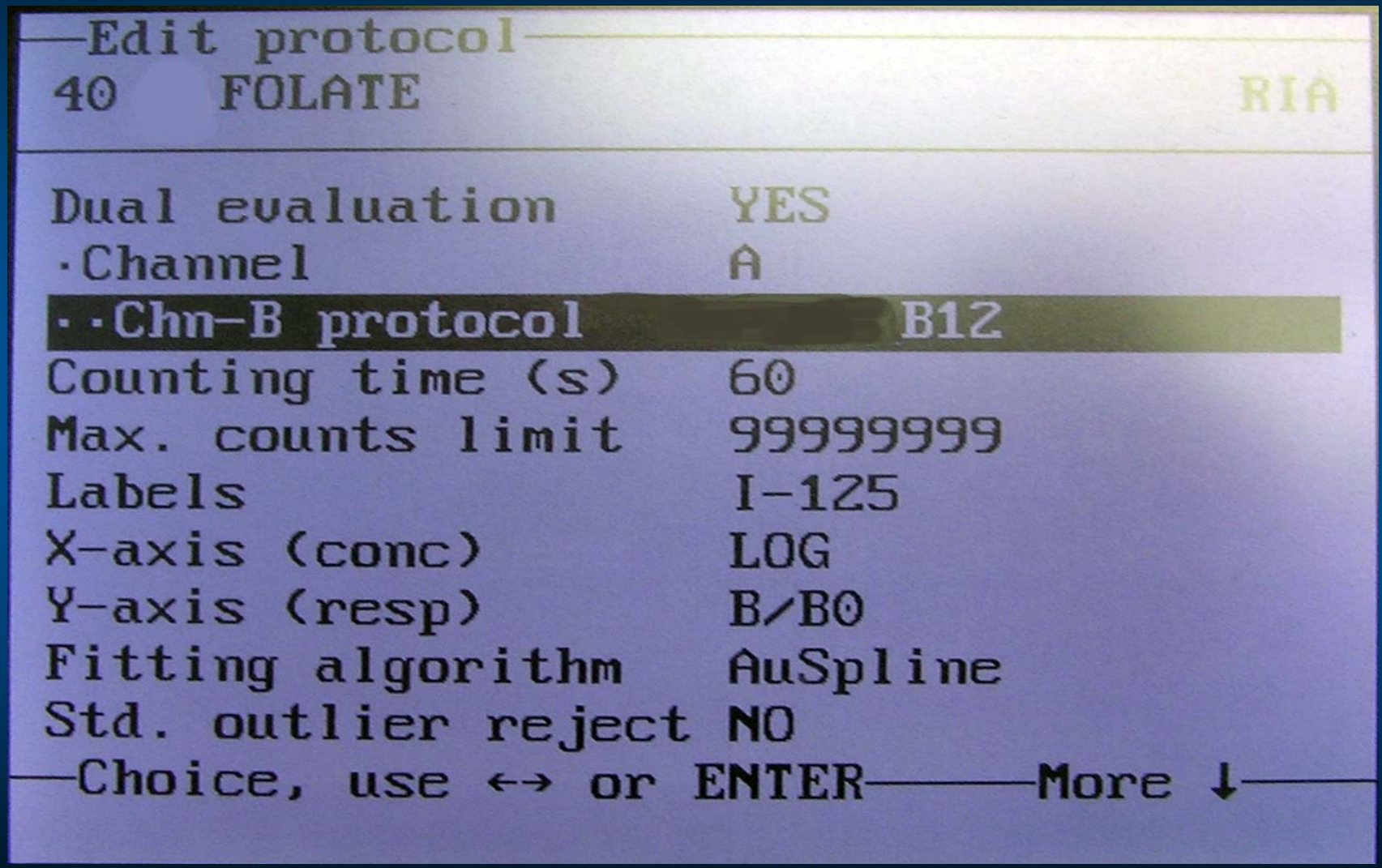
Create Protocol A ….the Master Protocol

PerkinElmer™
life sciences.


Create protocol
Specify the kind of protocol you want to create with the parameters below. To create it, select 'Create & edit' and press the ENTER key. You can then edit the created protocol.
Name FOLATE
Comment
Id 40
Assay type RIA
Password
Create & edit
Choice, use ↔ or ENTER

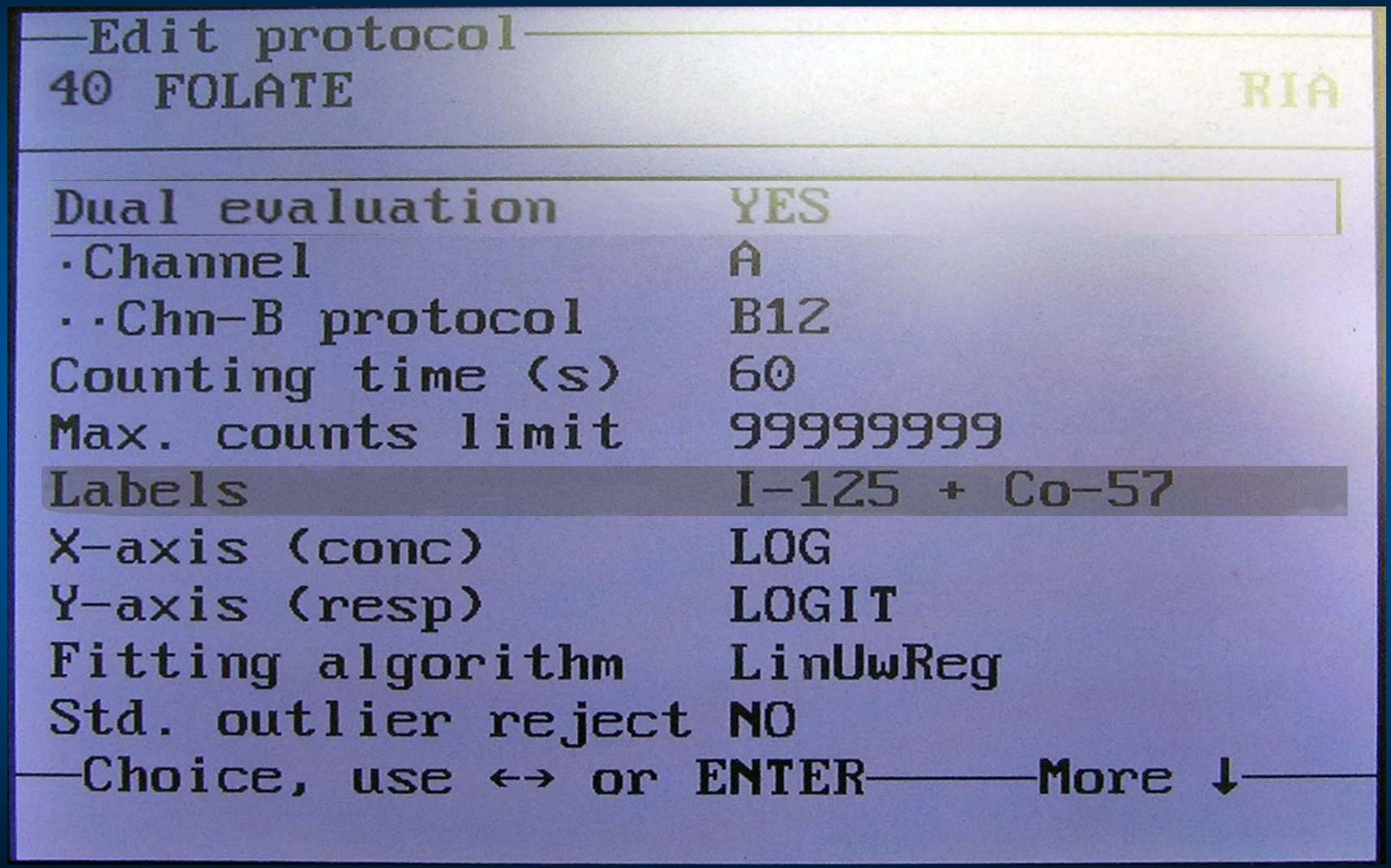
Select the slave (B) protocol which goes with this master protocol

PerkinElmer™
life sciences.



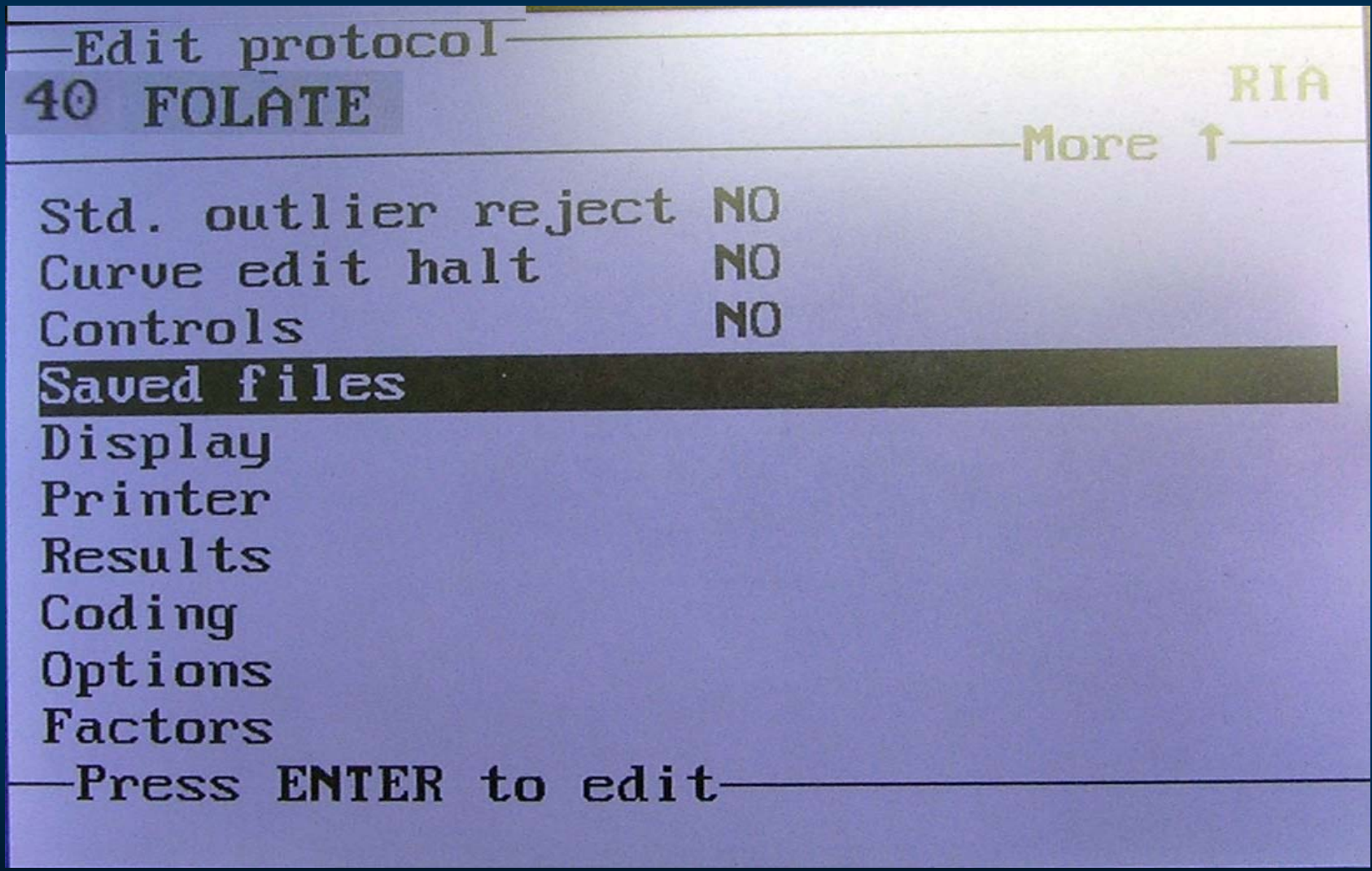
Select counting time, dual isotopes, axes, and algorithm

PerkinElmer™
life sciences.



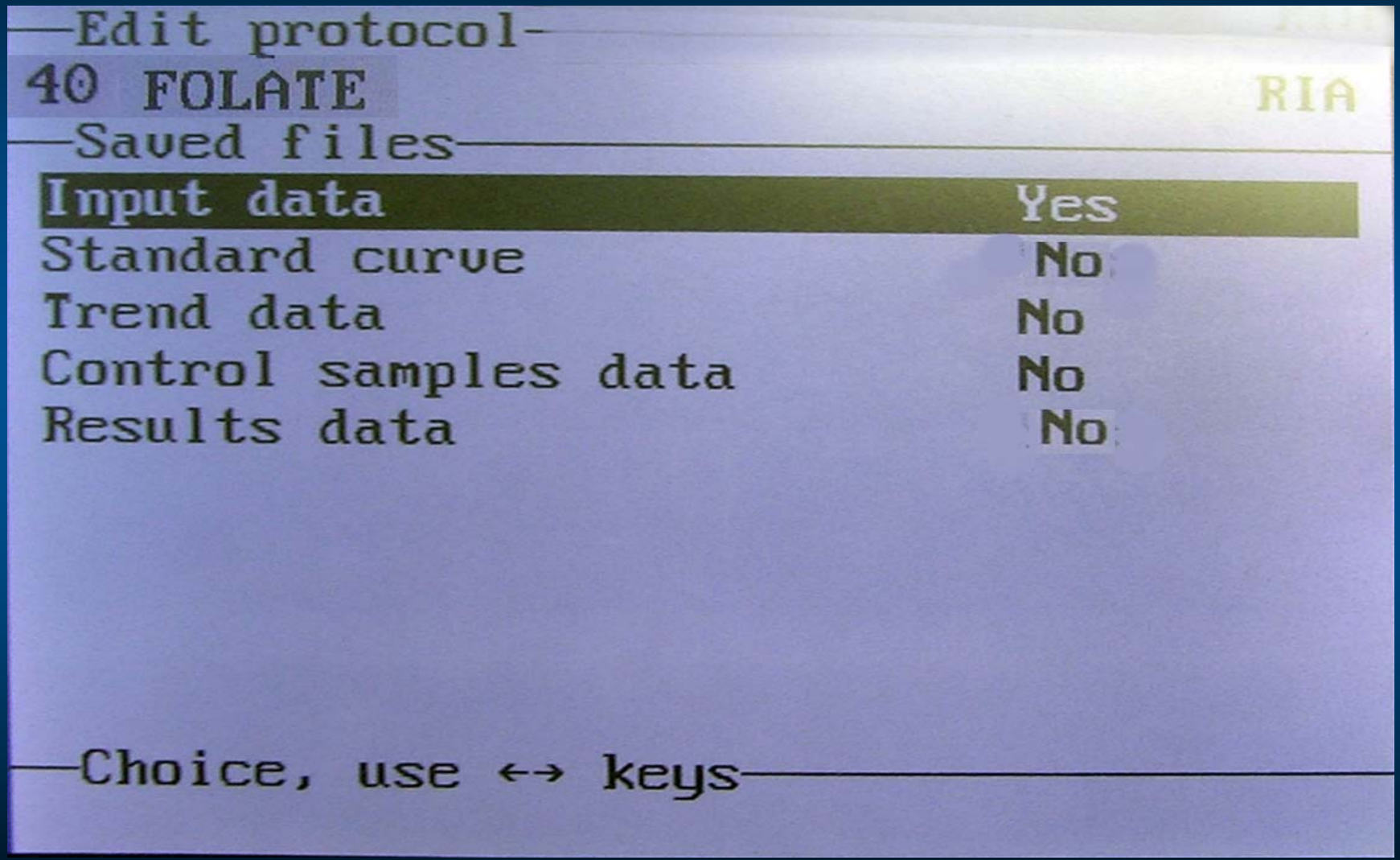
Determine necessity of std. outlier and curve edit halt...go to saved files

PerkinElmer™
life sciences.



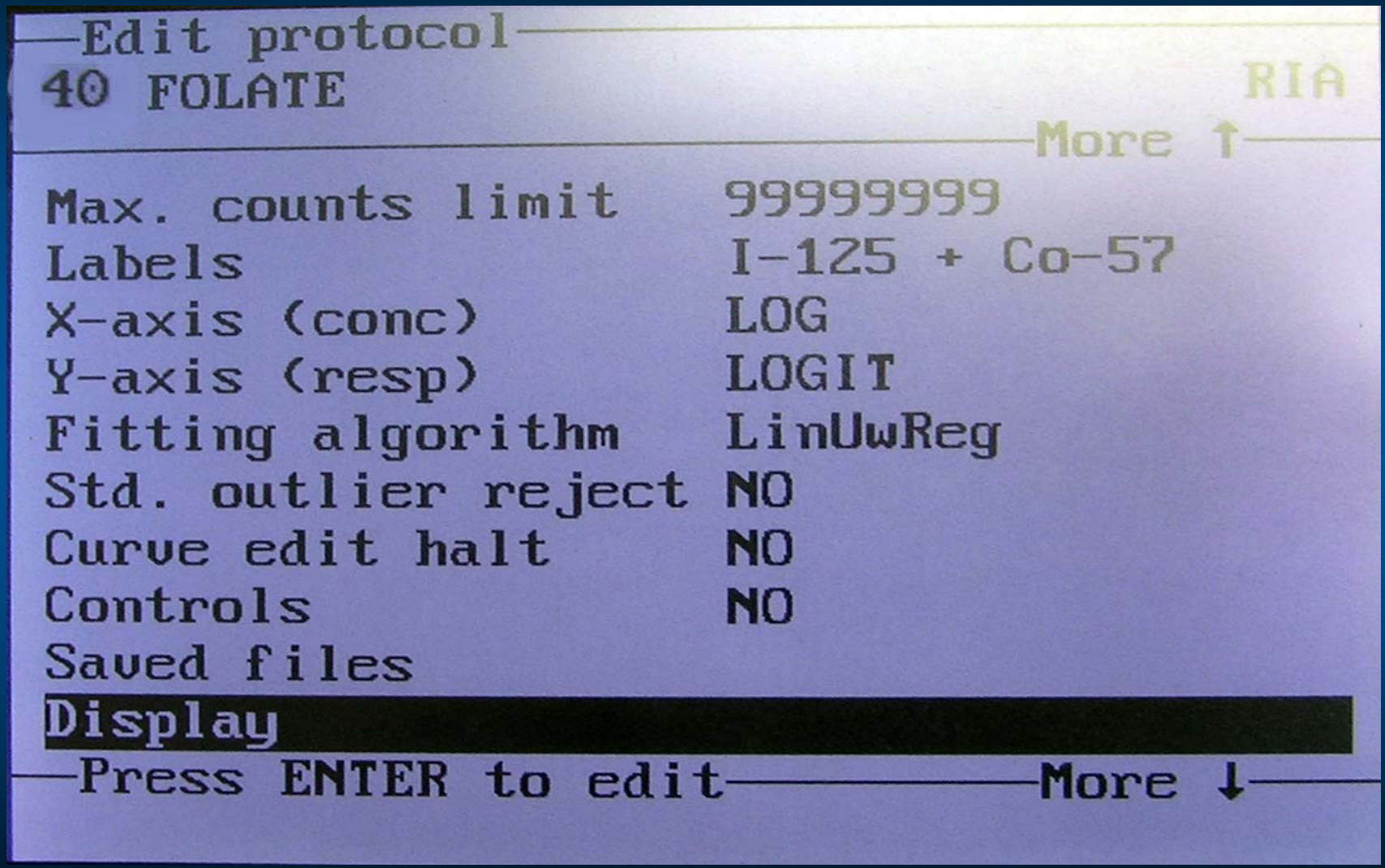
Select which files to save on instrument hard drive

PerkinElmer™
life sciences.



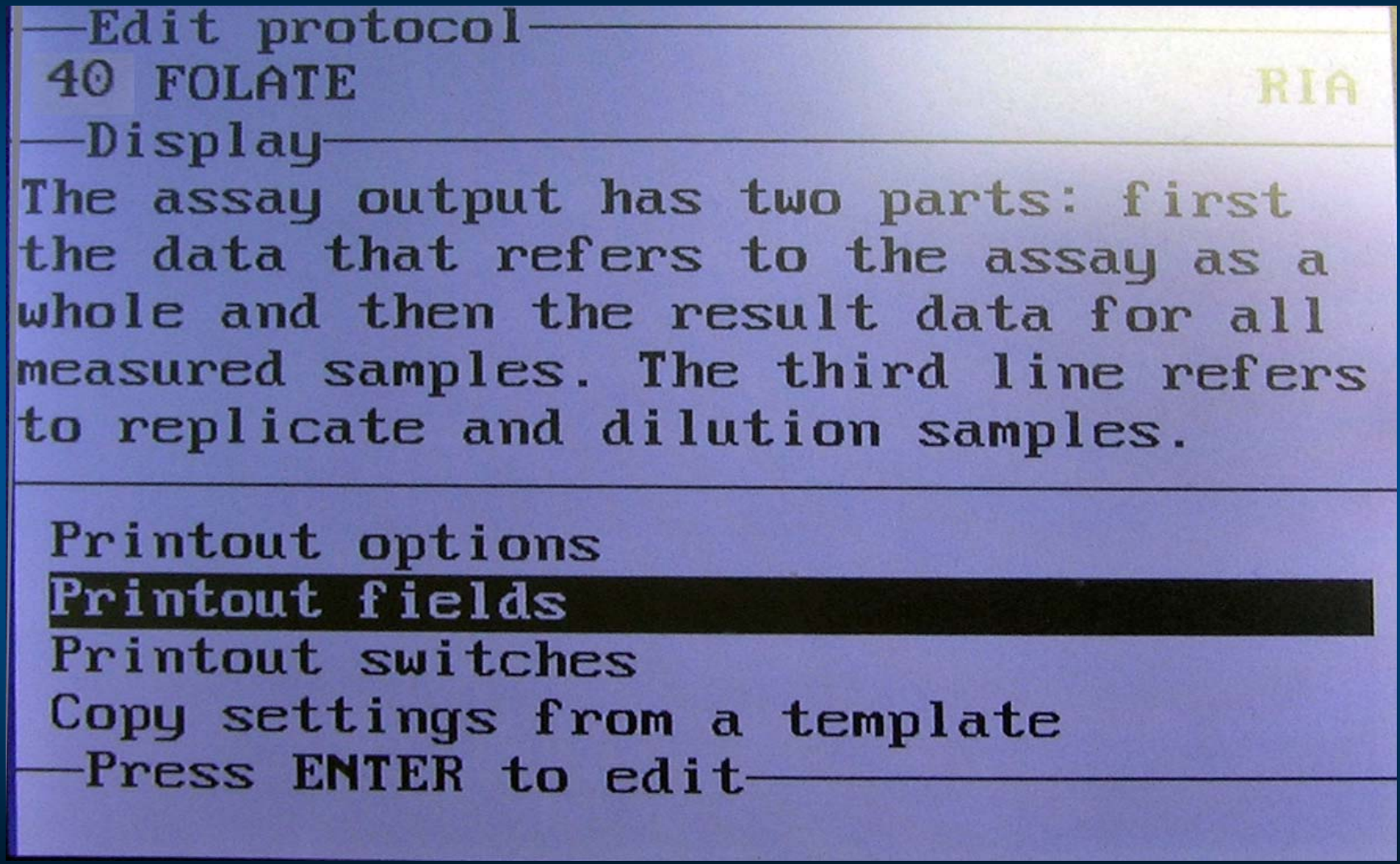
Go to Display to set up data output

PerkinElmer™
life sciences.



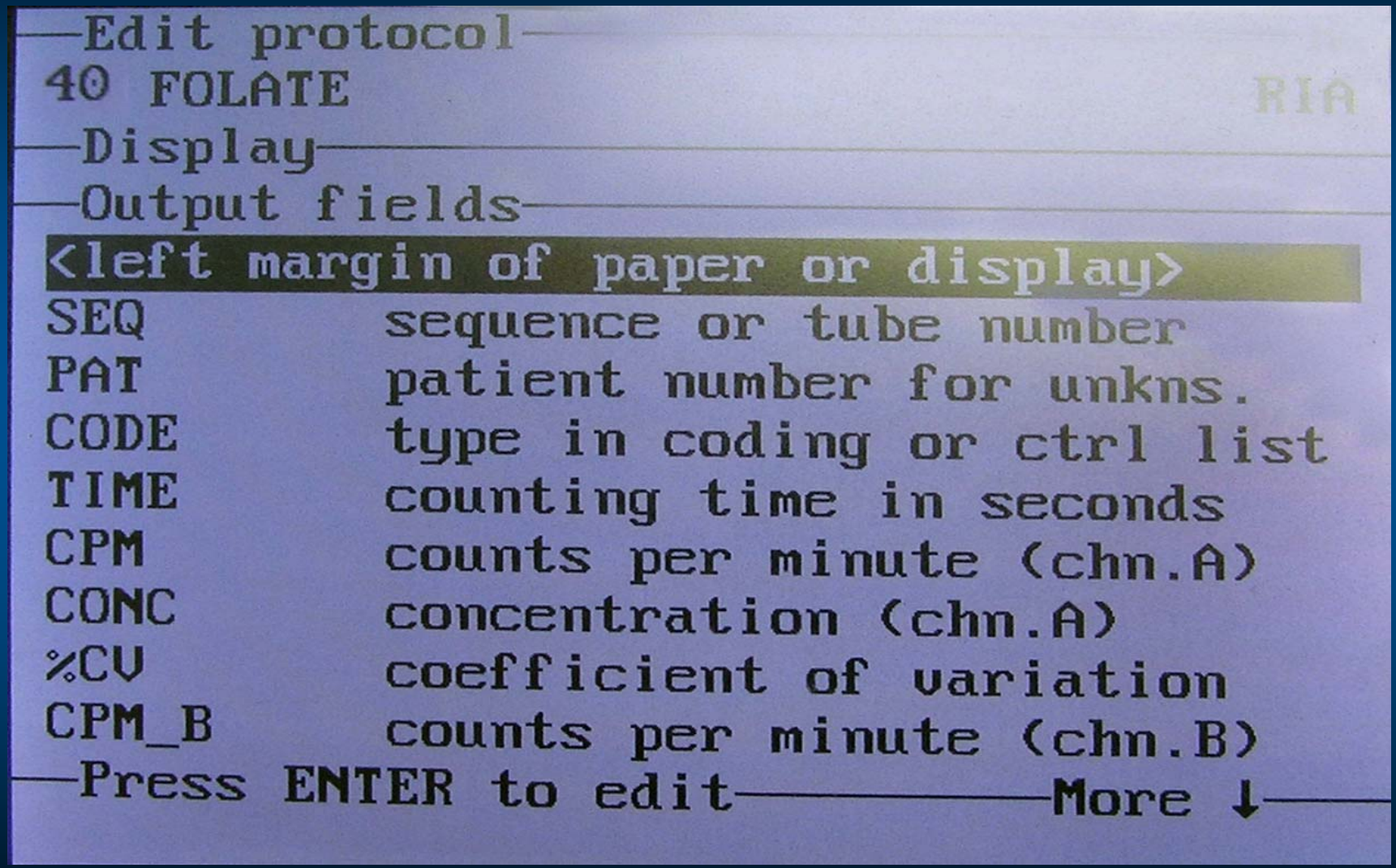
Go to Printout Fields

PerkinElmer™
life sciences.


Edit protocol
40 FOLATE
RIA
Display
The assay output has two parts: first the data that refers to the assay as a whole and then the result data for all measured samples. The third line refers to replicate and dilution samples.
Printout options
Printout fields
Printout switches
Copy settings from a template
Press ENTER to edit

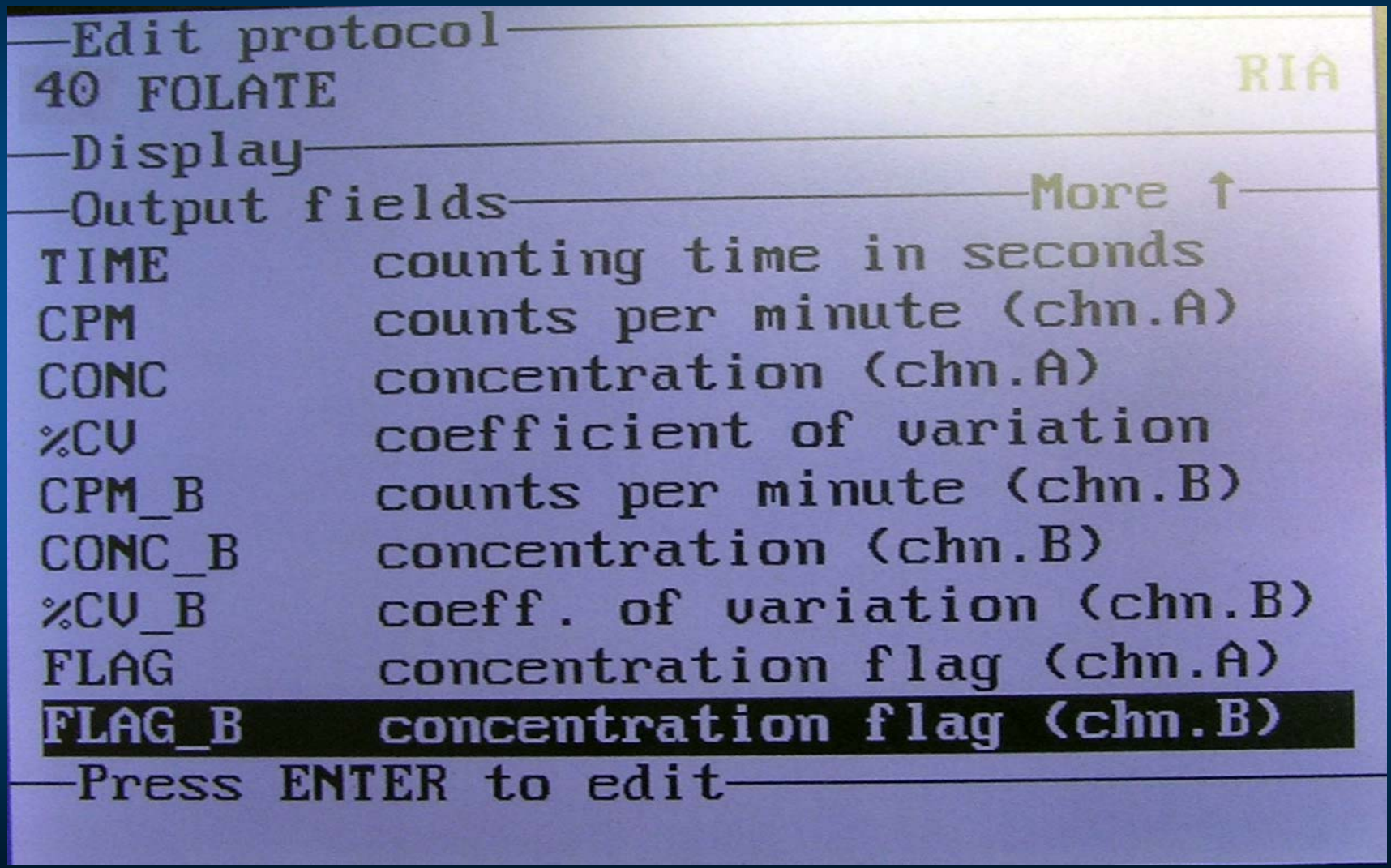
The following is an example of data columns…Time and/or Flags fields may be eliminated for proper sequencing of some printers

PerkinElmer™
life sciences.



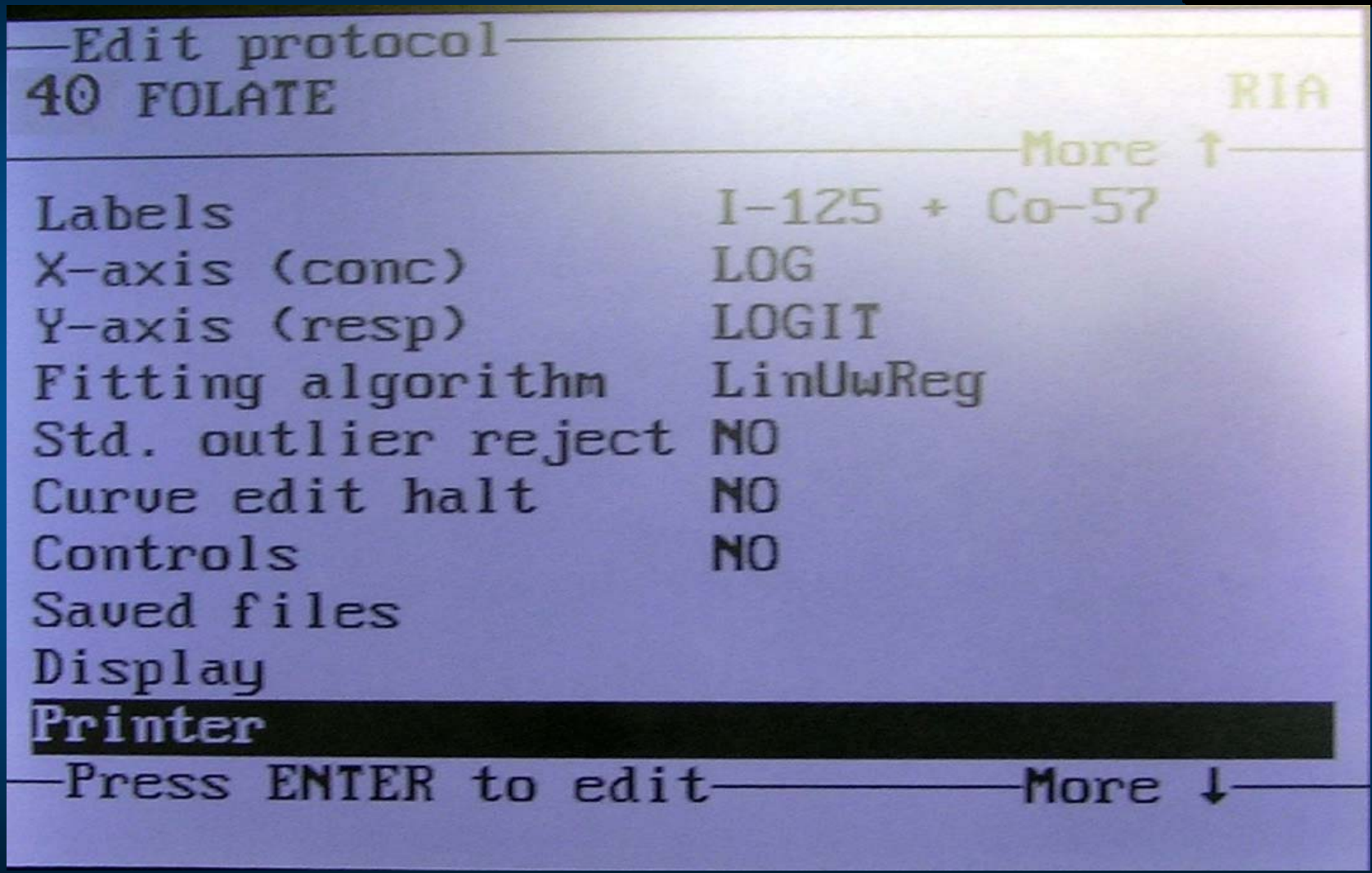
As before

PerkinElmer™
life sciences.



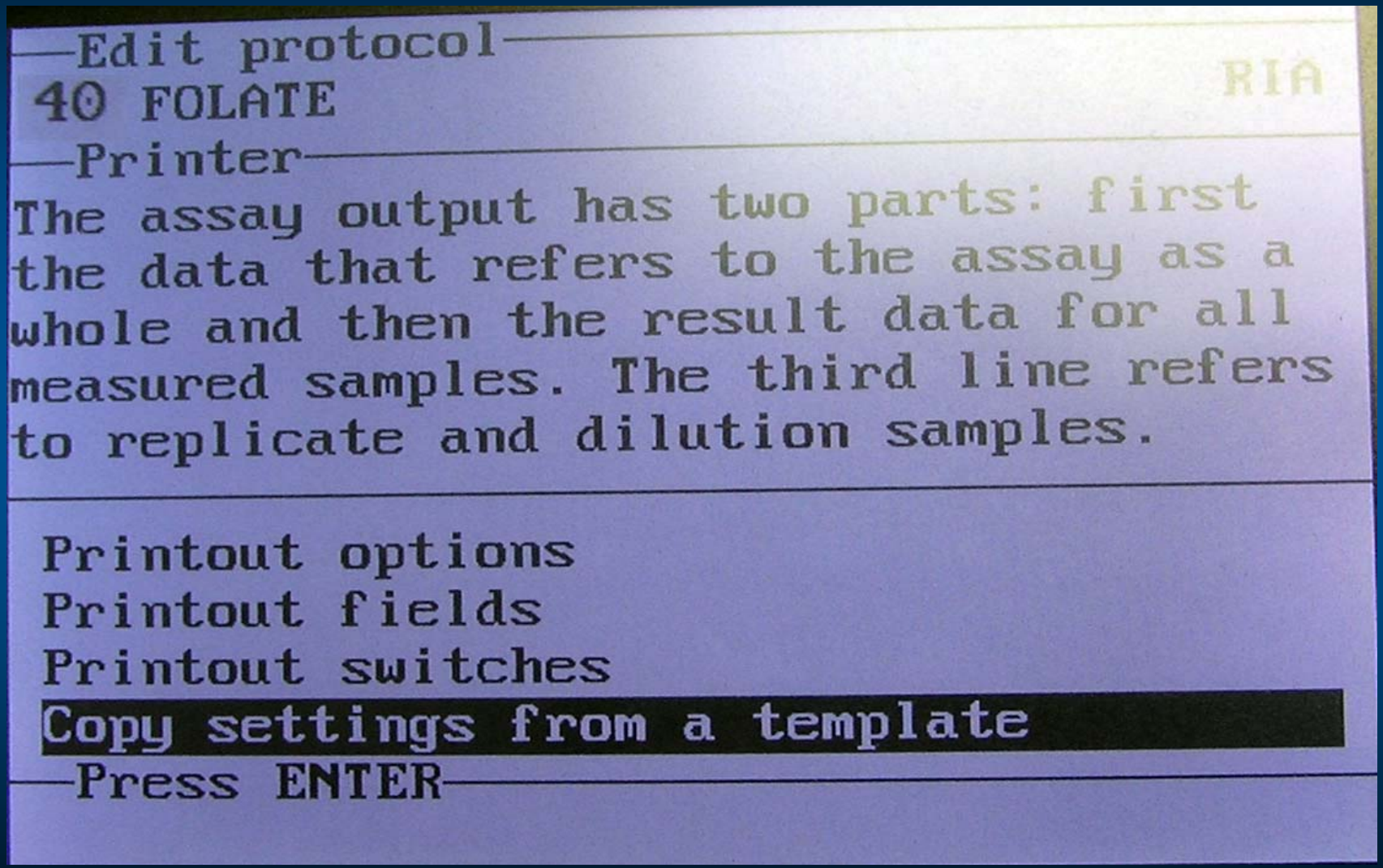
Now to set up the printer…previous was display output

PerkinElmer™
life sciences.



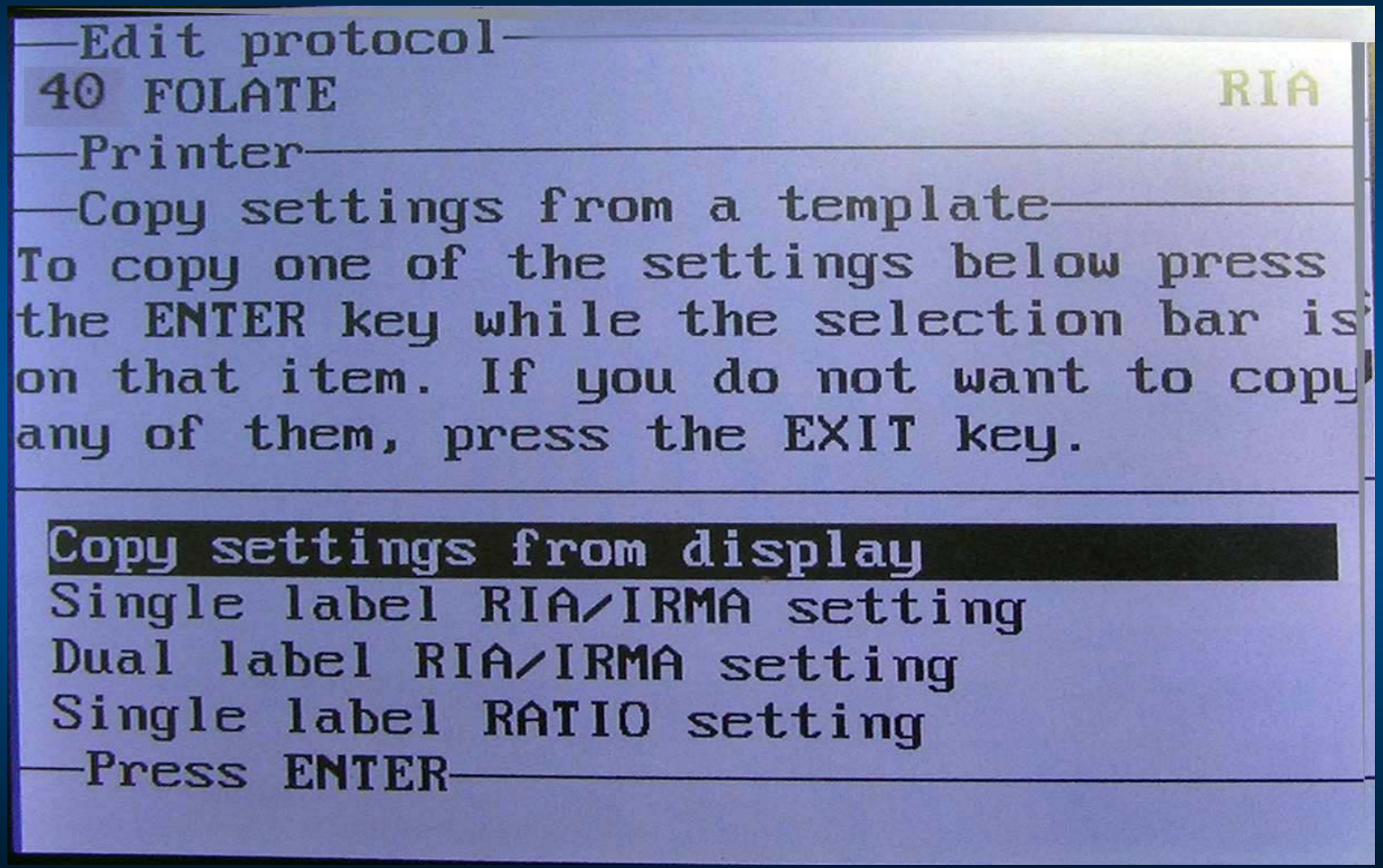
Instead of repeating entire process… may copy display settings

PerkinElmer™
life sciences.

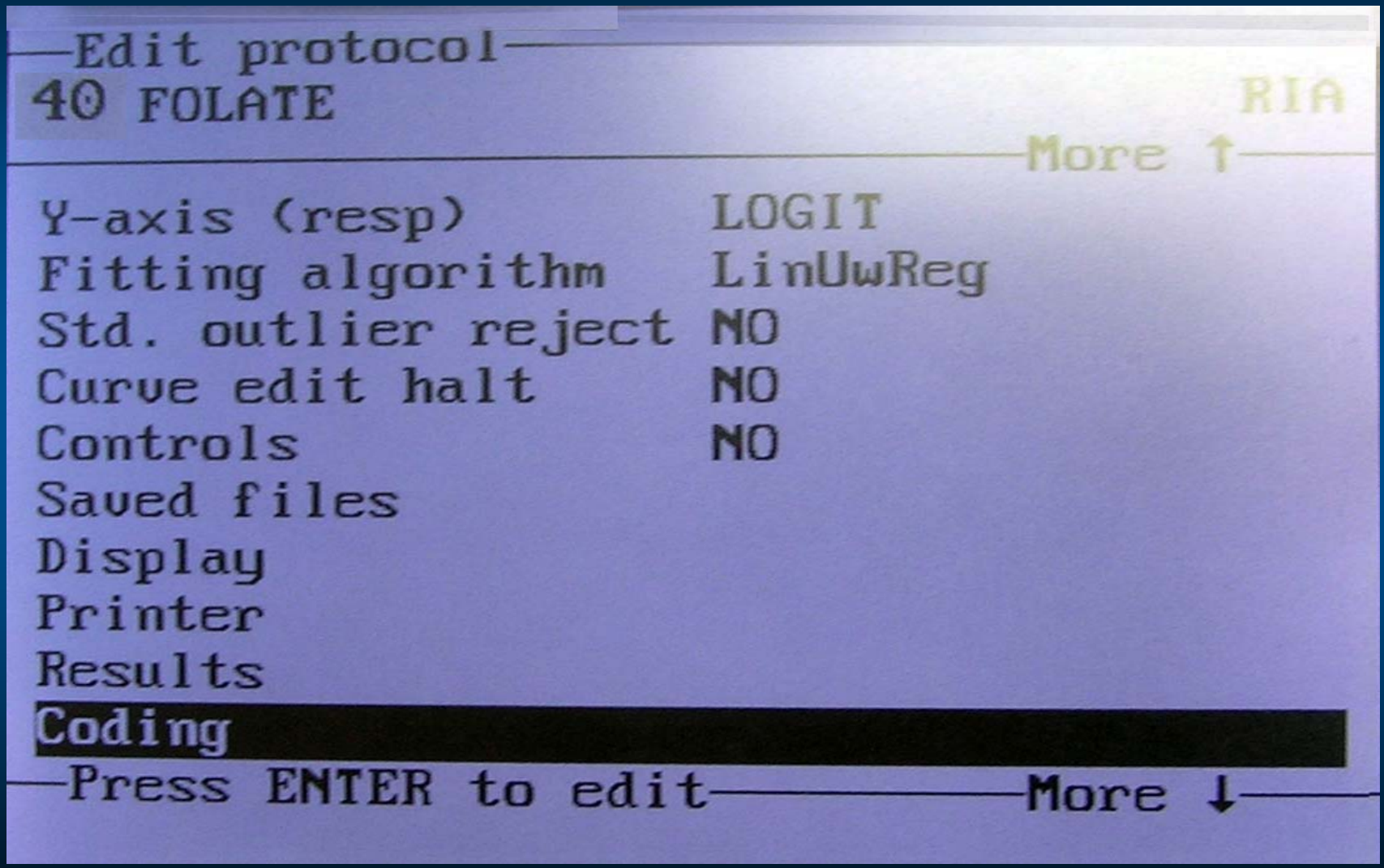

Edit protocol
40 FOLATE
RIA
Printer
The assay output has two parts: first the data that refers to the assay as a whole and then the result data for all measured samples. The third line refers to replicate and dilution samples.
Printout options
Printout fields
Printout switches
Copy settings from a template
Press ENTER

Copy display settings

PerkinElmer™
life sciences.


Edit protocol
40 FOLATE
RIA
Printer
Copy settings from a template
To copy one of the settings below press the ENTER key while the selection bar is on that item. If you do not want to copy any of them, press the EXIT key.
Copy settings from display
Single label RIA/IRMA setting
Dual label RIA/IRMA setting
Single label RATIO setting
Press ENTER

Go to Coding to set up the Protocol A tube format



An example of a Folate assay…after setup…exit and save…Run assay by selecting the clip with the Master protocol number (40 in this case)…both parts of the dual label assay will be run and printed at one time.

PerkinElmer™
life sciences.